

A METHOD AND SYSTEM FOR PROVIDING EXTENDED REACH OF A
DIGITAL SUBSCRIBER LINE SIGNAL

ABSTRACT OF THE DISCLOSURE

A method for providing extended reach of a digital subscriber line signal includes receiving an incoming DSL signal, splitting the DSL signal into separate voice and data signals, demodulating the data signal, requantizing the demodulated data signal, modulating the requantized data signal, amplifying the modulated requantized data signal and the voice signal, combining the amplified voice and data signal into a combined signal, and transmitting the combined signal.